Sequences in GeoGebra

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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- **Use spreadsheet view to create simple sequences**

Learning Objectives

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- **Use commands to create sequences and progressions**

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- **Use commands to create sequences and progressions**
- **Divide the line segment into parts**
- **Use** `Sequence` **command along with other commands**

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- **Ubuntu Linux OS v 16.04**

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- **GeoGebra v 5.0.438.0-d**

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- **For the prerequisite GeoGebra tutorials, please visit https://spoken-tutorial.org**

1. Use the `Sequence` **command to show a list of squares of numbers from 1 to 10**

Assignment

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1. **Find the sum of n terms in a geometric progression**

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Generate a sequence to draw:

1. **Polygons at (0,0) and (1,0) of n sides, where n goes from 3 to 10**
2. **Hint: type [Polygon[(point), (point), n], n, start value of n, end value of n]**

Generate sequences to draw:

1. **Parabolas $x^2 + c$ where c goes from -5 to 5 in the increments of 0.5**
2. **Parabolas $cx^2 + 2cx - 1$ where c goes from -5 to 5 in the increments of 0.5**

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About the Spoken Tutorial Project

- **Watch the video available at https://spoken-tutorial.org /What_is_a_Spoken_Tutorial**

- **It summarises the Spoken Tutorial project**

- **If you do not have good bandwidth, you can download and watch it**

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**

- **Gives certificates to those who pass an online test**

- **For more details, please write to contact@spoken-tutorial.org**

Forum for specific questions

- **Do you have questions in THIS Spoken Tutorial?**
- **Please visit**

  https://forums.spoken-tutorial.org
- **Choose the minute and second where you have the question**
- **Explain your question briefly**
- **Someone from our team will answer them**

Acknowledgements

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- **It is supported by the National Mission on Education through ICT, MHRD, Government of India**

- **More information on this Mission is available at**

  https://spoken-tutorial.org/NMEICT-Intro